

August 26, 2004
Leigh Gatto

Code 589 Project Status



Code 589 Project Status As of 08/26/2004

Project	June	July	Aug	CS	Notes
ASF	G	G	G	0.70	Research continues on ways to implement external entity references and read/display electronic navigational charts for user interface.
Balloon Instrumentation	G	G	G	0.50	Researching Total Dose Radiation Sensors.
GRASP	G	G	Y	0.10	On hold while working on ULDB CREAM; looking for funding sources.
OASIS	G	G	G	0.10	Researched power requirements, most manpower allocated to POC Lidar.
OSAT	G	G	G	0.10	Low priority in relation to other supported Code 972 efforts. No current mission requires the use of OSAT. Original feature set for OSAT software is complete and ready to support potential missions with appropriate lead time.
Ozone Sonde Pump Efficiency System	G	G	Y	1.00	Calibrator is taking more time than expected. Mechanical support contract has become more expensive, project looking for alternatives. The software and electronics continue to progress. Approximate one month schedule slip expected.
POC Lidar	G	G	G	0.75	Laser servicing completed. Working on code to automate iris control with data acquisition. Implementing other changes and fixes as a result of testing in wave tank.
RADAC	Y	Y	Y	0.75	NENS test team are testing and reviewing output of RADAC using "PortaSim"-generated data from a Pegasus simulation. Several modules are being modified to remove any "hard-coded" values. Operations manual is 75% complete. Transition to NENS scheduled for February 2005. Just learned that Task #53, which was closed last August, is \$12K in the red. Working with Code 840 to fund overrun.
				4.00	

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Ship Surveillance Tool	G	G	G	0.70	Repending to actions from July 2004 review. Display implementation and testing other subsystems nearing completion. Preparing for an October Acceptance Test Readiness Review.
ULDB CREAM	G	G	G	4.00	Engineering Support Center at Wallops and ULDB Operations Control Center at Palestine, Texas deployment is complete. Testing of data acquisition, data forwarding, commanding and remote commanding has been successful. Flight software has made minimal fixes and enhancements since last reporting period, resulting in 2 new releases. Regression testing has been successful.
Wallops Web Redesign	G	G	G	0.50	New WFF website online and operational: www.wff.nasa.gov . Content management installation and implementation in progress. New server installed and accounts are being renewed.
WFF Geophysical Observatory	G	G	G	0.20	Hardware received and contract labor funded.
Wind Weighting	G	G	G	0.30	PC systems with software version 5.8 are in operational use both at Wallops and in Kwajalen. Collecting requirements to support a winter 2005 Poker campaign.
WISDM	Y	Y	Y	1.50	Problems implementing vendor's latest workflow updates have impacted POINT schedule by approximately one month. Testing continues for operational scripts using new API submissions. Optimisitc that current submission will correct problems. Adding pagination and PDF capability to workflows. Implementing workflow processes for XPRS project."
WFF TOTAL				11.50	

Dwayne Morgan

Dwayne accepted a temporary detail to serve as the Code 598 Branch Head. The detail will last approximately 8 weeks.

From: TECHMGMT/Management 0.55

To: TECHMGMT/Management 0.35

Code 589 Co-ops:

Sarah Daugherty

Sarah supported Ship Surveillance Tool for two weeks, August 9-20, 2004.

Donna Smith asked Sarah to review some mathematical algorithms for SST.

Sarah has returned to Old Dominion University for the Fall semester and we expect her to return to 589 for several weeks during the winter break.

Richard Beyma

Richard completed his second co-op with 589. Richard has returned to Virginia Tech and he expects to graduate in May 2004 and return to 589 as a full-time employee.

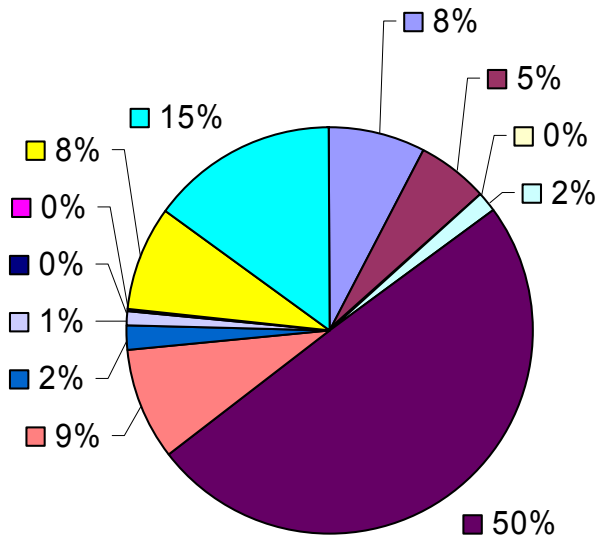
Kirstin Williams

Kirstin completed the summer as a USRP student for 589. When 589 was notified that we can expect a co-op hire for FY05, I spoke with Kirsten. She was very excited about the opportunity and has tentatively agreed.

589 Staffing Overview – FY04



Code 589 Business Types FY04

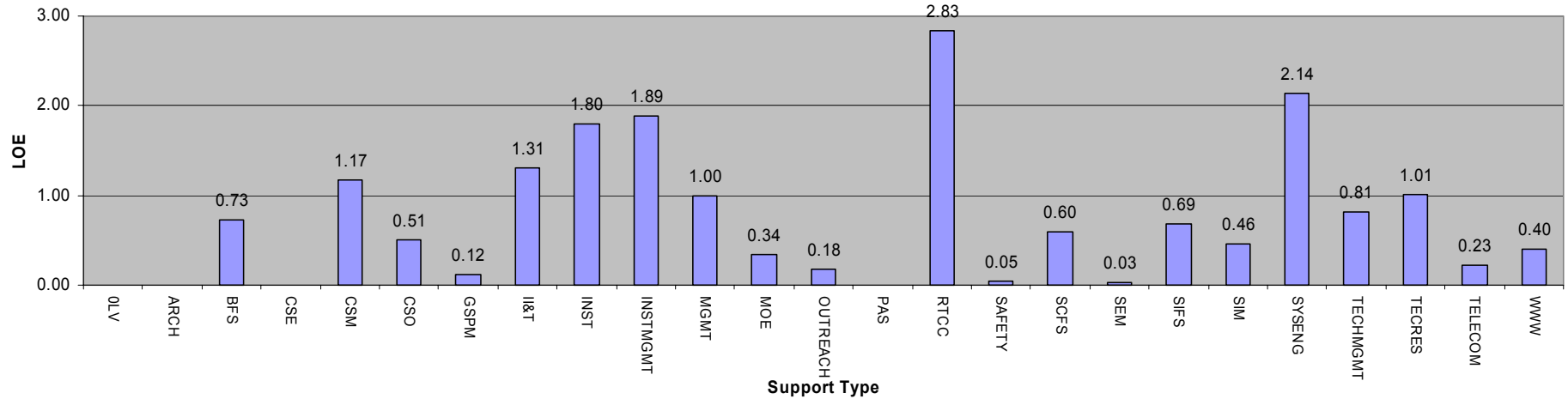


- AISE-Mission Request
- AISE-Tech Dev
- AISE-Unique
- AISE-Proc Improv
- ISE-Primary Work, Standard
- ISE-Primary Work, Standard Investment
- ISE-Primary Work, Specialized
- ISE-Directed, Standard
- ISSI-Fac Mgmt
- ISSI-Admin IT
- ISSI-Other
- Management

589 Staffing Overview – FY04



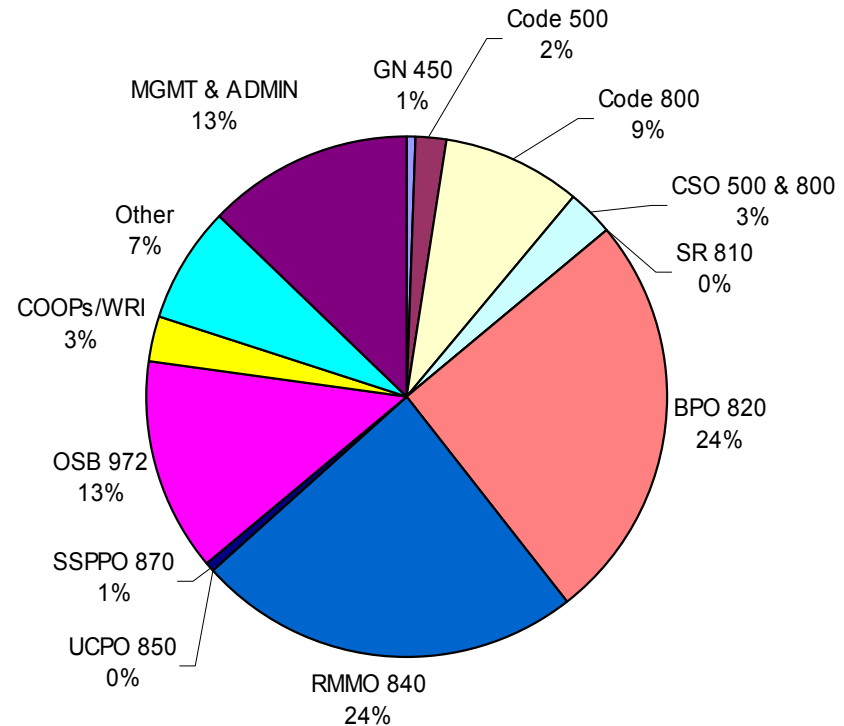
Code 589 Support Types for FY04



589 Staffing Overview – FY04

GN 450	0.12
Code 500	0.35
Code 800	1.55
CSO 500 & 800	0.51
SR 810	0
BPO 820	4.6
RMMO 840	4.31
UCPO 850	0
SSPPO 870	0.1
OSB 972	2.44
COOPs/WRI	0.5
Other	1.32
MGMT & ADMIN	2.3
TOTAL	18.1

589 Staff Breakout



Delta/Notes:

- Total Permanent FT and PT employees: 18.1

Acronyms

ADEOS	Advanced Earth Observation Satellite	OASIS	Ocean-Atmosphere Sensor Integration System
ARISE	Advanced Range Integrated Simulation Environment	ODU	Old Dominion University
ARTI	Advanced Range Technology Initiative	ORR	Operational Readiness Review
ASD	Advanced Surveillance Demonstrator	OSAT	Observational Science Airborne Tracking
ASF	Adaptive Sensor Fleet	OSB	Observational Science Branch
BPO	Balloon Program Office	POC Lidar	Particulate Organic Carbon Lidar
CCR	Configuration Change Request	PSU	Penn State University
CNES	Centre National d'Etudes Spatiales (French Space Agency)	RADAC	Range Data Acquisition
CoO	Continuous Operation	REOC	Remote Earth Observing Control Center
CPU	Central Processing Unit	RMMO	Range and Mission Management Office
CSO	Computer Security Officer	ROWS	Radar Ocean Wave Spectrometer
CSOC	Consolidated Space Operations Contract	RTEMS	Real-time Executive Multiprocessor System
DSCO	Deputy Computer Security Officer	RTOS	Real-time Operating System
DR	Design Requirement	SEB	Source Evaluation Board
DRS	Disturbance Reduction System	SI C&DH	Science Instrument Command & Data Handling
DSA	Distributed Spacecraft Systems Architecture	SEB	Source Evaluation Board
EMOS	EOS Mission Operations System	SEM	Space Experiment Module
EOS	Earth Observatory System	SITS	Science Instrument Test System
EOSDIS	EOS Data Information System	SMEX	Small Explorer
FSW	Flight Software	SR	Sounding Rockets
GAS	Get Away Special	SRP	Sounding Rockets Program
GMSEC	GSFC Mission Services Evolution Center	SSPPO	Small Shuttle Payloads Projects Office
GPM	Global Precipitation Measurement	SSM	Support Service Module
HABS	Harmful Algal Bloom Spectroscopy	SST	Ship Surveillance Tool
IMDC	Integrated Mission Design Center	UCPO	University Class Projects Office
IRAC	Infrared Array Camera	ULDB	Ultra Long Duration Balloon
ISIM	Integrated Science Instrument Module	ULDB TIGER	The Trans Iron Galactic Element Recorder
LRTEE	Launch Range Technology Evaluation Environment	ULDB CREAM	Cosmic Ray Energetics And Mass Balloon Experiment
MRR	Mission Readiness Review	VCSFA	Virginia Commercial Space Flight Authority
NASDA	National Aeronautical Space Defense Agency of Japan	WISDM	Wallops Integrated Scheduling and Documentation Management
NGN	NASA Ground Network	WGO	WFF Geophysical Observatory
NICMOS	Near Infrared Camera & Multi-Object Spectrometer		